

ABSTRACT OF THE DISCLOSURE

A directly injecting internal combustion engine has at least one cylinder which has a combustion space and in which a piston executes an oscillating movement, and an injection nozzle for the injection of fuel into the combustion space. The piston has a piston recess which has in its central region an elevation extending in the direction of a cylinder head. A surface of the piston recess which adjoins the elevation in the direction of the recess edge is connected to the elevation via a radius so an injection jet impinging in this region and injected at the earliest possible time point is distributed both in the elevation direction and in the recess edge direction. The surface adjoining the elevation in that direction has an extent in that direction such that an injection jet injected at the latest possible time point impinges onto the surface and is distributed both in the elevation direction and in the recess edge direction.